ALPHA VAC

阿尔法真空

Robotic EOAT

Robot arms need more than a cup. These end of arm gripsters add the compensation, articulation and multiplication that turn a single vacuum point into a production tool, from ball jointed swivels to multi cup array grippers on a shared plenum.

28 order codes · 3 families

INDUSTRIAL VACUUM GRIPPERS AND GRIPSTERS

Robotic EOAT

PIVOT

Ball-joint swivel mount, cups self-align to angled faces

STALK

Spring compensator, soft touchdown, even load sharing

CLUSTER

Multi-cup array, grip a whole part in one plenum

PIVOT PVT

BALL-JOINT SWIVEL MOUNT, CUPS SELF-ALIGN TO ANGLED FACES, SWIVEL MOUNT

A ball jointed swivel gripster mount. The gripper self aligns to angled and curved faces, taking the guesswork out of picks that are never quite square.

APPLICATIONS

angled panels, curved bodywork, irregular tops

±30°	20 to 60	3
SWIVEL ANGLE	CUP DIAMETER, MM	MOUNT THREADS

Range and specifications (12 order codes)

Order code	Mount thread	Swivel angle	Max cup diameter
AV-PVT-M05-20	M5	±30°	20 mm / 0.787 in
AV-PVT-M05-30	M5	±30°	30 mm / 1.181 in
AV-PVT-M05-40	M5	±30°	40 mm / 1.575 in
AV-PVT-M05-60	M5	±30°	60 mm / 2.362 in
AV-PVT-G18-20	G1/8	±30°	20 mm / 0.787 in
AV-PVT-G18-30	G1/8	±30°	30 mm / 1.181 in
AV-PVT-G18-40	G1/8	±30°	40 mm / 1.575 in
AV-PVT-G18-60	G1/8	±30°	60 mm / 2.362 in
AV-PVT-G14-20	G1/4	±30°	20 mm / 0.787 in
AV-PVT-G14-30	G1/4	±30°	30 mm / 1.181 in
AV-PVT-G14-40	G1/4	±30°	40 mm / 1.575 in
AV-PVT-G14-60	G1/4	±30°	60 mm / 2.362 in

STALK STK

SPRING COMPENSATOR, SOFT TOUCHDOWN, EVEN LOAD SHARING, LEVEL COMPENSATOR

A spring loaded gripster mount. The plunger gives a soft touchdown and shares load evenly across a set of grippers, protecting delicate parts.

APPLICATIONS

stacked height variation, delicate contact, multi-cup levelling

10 to 50
STROKE, MM

2
MOUNT THREADS

Range and specifications (8 order codes)

Order code	Mount thread	Stroke	Spring
AV-STK-G18-S10	G1/8	10 mm / 0.394 in	Stainless, non rotating
AV-STK-G18-S20	G1/8	20 mm / 0.787 in	Stainless, non rotating
AV-STK-G18-S30	G1/8	30 mm / 1.181 in	Stainless, non rotating
AV-STK-G18-S50	G1/8	50 mm / 1.969 in	Stainless, non rotating
AV-STK-G14-S10	G1/4	10 mm / 0.394 in	Stainless, non rotating
AV-STK-G14-S20	G1/4	20 mm / 0.787 in	Stainless, non rotating
AV-STK-G14-S30	G1/4	30 mm / 1.181 in	Stainless, non rotating
AV-STK-G14-S50	G1/4	50 mm / 1.969 in	Stainless, non rotating

CLUSTER CLU

MULTI-CUP ARRAY, GRIP A WHOLE PART IN ONE PLENUM, MULTI-CUP ARRAY

A multi cup array gripster. Several cups on one plenum turn a robot flange into a wide gripper that lifts large panels and full layers in a single pick.

APPLICATIONS

large panels, full layers, long extrusions, robot palletising

2 to 8
CUPS PER GRIPSTER

53 to 401
HOLD FORCE, N

Range and specifications (8 order codes)

Order code	Cups	Cup family	Holding force
AV-CLU-2X-VLT40	2	VAULT 40 mm	53 N / 12 lbf
AV-CLU-2X-PLN50	2	PLANO 50 mm	100 N / 22 lbf
AV-CLU-4X-VLT40	4	VAULT 40 mm	106 N / 24 lbf
AV-CLU-4X-PLN50	4	PLANO 50 mm	200 N / 45 lbf
AV-CLU-6X-VLT40	6	VAULT 40 mm	158 N / 36 lbf
AV-CLU-6X-PLN50	6	PLANO 50 mm	300 N / 68 lbf
AV-CLU-8X-VLT40	8	VAULT 40 mm	211 N / 48 lbf
AV-CLU-8X-PLN50	8	PLANO 50 mm	401 N / 90 lbf